ReadMe for Replicating
Identification of Preferences in Forced-Choice Conjoint Experiments: Reassessing the Quantity of Interest

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Computational platforms:

1. I tested my code on a MacBook Pro 2019 with Quad-Core Intel Core i5 and 16G RAM. The operation system is macOS 11.4 (BigSur).
2. The R version is 3.6.1.

Packages

Please install packages "doParallel" (tested with version 1.0.16), "foreach" (1.5.1), "haven" (2.4.1), "patchwork" (1.1.1), "sandwich" (3.0-1), "sjlabelled" (1.1.8), "stringr" (1.4.0), "tidyverse" (1.3.1), and "xlsx" (0.6.5) from CRAN.

Folders and their functionalities

Folder	***Description***
Codes	Stores code files required to replicate Hainmueller and Hopkins (2015) and Mummolo and Nall (2017), to run the Monte Carlo simulations, and to generate the graphs and tables included in the paper
Data	Stores data from Hainmueller and Hopkins (2015) and Mummolo and Nall (2017)
Functions	Stores required additional functions
Output	Stores graphs and tables from code files

Notes

1. Please make sure to set path to the root replication folder in R.
2. Each code file is independent.
3. All graphs and tables are saved in the "Output" folder. When you run the code, existing files in this folder will be overwritten, which is normal.
4. Figure 1, Table A1, and Table D1 present information on the data format, on the literature review, and on the parameters of the simulation. Replication is not applicable.
5. Simulation results may not be exactly be replicated due to the randomness of the simulation process.
6. The Monte Carlo simulation takes hours to finish. To speed things up, you can use the intermediate files that store simulation results and can be used to construct the simulation result tables.

Mapping file names to Tables and Figures appearing in the paper

In Paper	*File Name*	*In Paper*	*File Name*
Figure 1	-	Table A1	-
Figure 2	acpamce_imm.pdf	Table D1	-
Figure 3	acpamce_comm.pdf	Table D2	simulations_acp.csv
		Table D3	simulations_dacp.csv
		Table D4	simulations_p.csv
		Figure B1	relimp_reg.pdf
		Figure B2	relimp_cond.pdf

Code files

File name	*Description*	*Output*	*Execution time*
CommunityReplication.R	Replicates partially Mummolo and Nall (2017)	acpamce_comm.pdf	Minutes
ImmigrantReplication.R	Replicates partially Hainmueller and Hopkins (2015)	acpamce_imm.pdf relimp_reg.pdf relimp_cond.pdf	Minutes
Simulations.R	Runs the Monte Carlo simulations	SimulationIntermediate.RData SimulationIntermediate_int.RData simulations_acp.csv simulations_dacp.csv simulations_p.csv	Hours